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## CodeVita 2018 Round 1 Question: String Rotation

Vikash (<https://www.blogger.com/profile/11059616688071310835>)[8/03/2018 \(2018-08-03T07:39:00-07:00\)](https://www.blogger.com/2018/08/03/2018-08-03T07:39:00-07:00)<https://www.programminggeek.in/2018/08/codevita-2018-round-1-question-string-rotation.html>

### String Rotation

#### Problem Description

Rotate a given String in the specified direction by specified magnitude.

After each rotation make a note of the first character of the rotated String. After all rotation are performed the accumulated first character as noted previously will form another string, say **FIRSTCHARSTRING**.

Check If **FIRSTCHARSTRING** is an Anagram of any substring of the Original string.

If yes print "YES" otherwise "NO". Input

The first line contains the original string s. The second line contains a single integer q. The ith of the next q lines contains character d[i] denoting direction and integer r[i] denoting the magnitude.

#### Constraints

1 <= Length of original string <= 30

1 <= q <= 10

## Output

YES or NO

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## Explanation

Example 1

Input

```
carrace
3
L 2
R 2
L 3
```

Output

NO

Explanation

After applying all the rotations the **FIRSTCHARSTRING** string

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